



A Better Option for Southern California

When it comes to improving mobility and reducing air pollution, high-speed trains offer Southern California a new, better option.



SIMULATION ARTWORK: NSCD

With voter approval of the high-speed train bond in November 2008, construction is likely to begin as early as 2011 on an 800-mile statewide system of high-speed trains that will move people and goods like never before.



SIMULATION ARTWORK: NSCD

Governor Schwarzenegger says high-speed trains will bring:
“improvements to our air quality, reductions in greenhouse gas emissions, congestion relief on our highways and greater mobility.”

— Fresno Bee, May 4, 2007

California High-Speed Train Proposed Route

The Problem: Congestion and Greenhouse Gas Emissions

- California's population will grow to **50 million people in 20 years**, much of it in Southern California. Already, Southern California has **two of the top five** most congested urban areas in the United States—Los Angeles and San Diego.
- Traffic **congestion costs California \$20 billion** per year in wasted fuel and lost time.
- California is the **12th largest source** of greenhouse gases on the planet.
- **41%** of California emissions come from our transportation system.

The Solution: High-Speed Trains

- High-speed trains will **reduce congestion** on freeways and surface streets by creating **high-speed options** for travelers, improved freight movement and enhanced local commuter transit.
- Los Angeles International Airport is quickly reaching capacity. High-speed trains are **the best means for moving passengers** to and from the Palmdale and Ontario airports.
- High-speed trains **use 1/3 the energy** of air travel and **1/5 the energy** of auto travel.
- High-speed trains will **reduce dependence on foreign oil** by up to 12.7 million barrels per year.
- High-speed trains will **eliminate over 12 billion pounds** of the greenhouse gas emissions that cause global warming each year. That's equivalent to removing more than one million vehicles from our roads annually.
- **High-speed trains** will be separated from all crossing auto and pedestrian traffic and the system will be fenced to prevent intrusion. High-speed trains will not share tracks with freight services, but will be immediately adjacent to existing tracks.



"High-speed rail holds the potential to be a viable alternative to driving, to help reduce traffic congestion, improve air quality, and make getting to and from the airport easier for everyone."

Los Angeles Mayor Antonio Villaraigosa

Where it goes:

Los Angeles Union Station to Orange County

The existing rail corridor will be used to bring high-speed train service to Orange County with a terminal at Anaheim (ARTIC station), and later could be extended as far south as Irvine with a station at the Irvine Transportation Center.



SIMULATION ARTWORK: N3CD

Los Angeles Union Station to Riverside and San Diego

Existing rail corridors will be used to bring direct high-speed train service from Los Angeles to Riverside with links to stations at Ontario Airport and Riverside. From Riverside to San Diego, the system will follow the I-215/I-15 freeway corridors with a station at Murrieta/Temecula. To bring the trains to the heart of downtown San Diego, the train line will use the existing rail corridor immediately adjacent to the existing rail tracks.



SIMULATION ARTWORK: N3CD

Los Angeles Union Station to Palmdale

Direct high-speed train service from Palmdale to Los Angeles with multi-modal stations at L.A. Union Station, Burbank, Sylmar/San Fernando and Palmdale Airport.



SIMULATION ARTWORK: N3CD

Protecting the Environment

High-speed trains use 1/3 the energy of air travel and 1/5 the energy of auto travel. And high-speed trains will eliminate over 12 billion pounds of the greenhouse gas emissions that cause global warming each year. That's equivalent to removing more than one million vehicles from our roads annually.

SIMULATION ARTWORK: N3CD

Examples of High-Speed Train Travel Times

Travel Route	Travel Time hours : minutes
Anaheim to San Francisco	2:57
Los Angeles to San Francisco	2:38
Los Angeles to San Diego	1:18
Burbank to Bakersfield	:49
Ontario to San Francisco	3:02
Riverside to Merced	2:11
Anaheim to Modesto	2:09
Anaheim to Sacramento	2:36
Riverside to Palmdale	:59
San Diego to Sacramento	3:35
San Diego to San Francisco	3:56

"A 20-minute high-speed train ride from Anaheim to downtown Los Angeles is a great way not only to relieve traffic congestion on freeways, but to also address future needs."

— Anaheim Mayor Curt Pringle



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